





SECTION 1 IDENTIFICATION

Product Trade Name:	Citricon
Recommended Use:	Heavy duty liquid laundry detergent
Restrictions on Use:	For Industrial and Institutional use only
Manufacturer:	Maxim Chemical International Inc. 1607 Derwent Way, Delta, BC, V3M 6K8, Canada 800-663-9925
Emergency Phone Number/ 24-Hour Number:	Canada: Canutec 613-996-6666 U.S.A.: Chemtrec 800-424-9300

SECTION 2 HAZARD IDENTIFICATION
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Physical Hazards: FLAMMABLE LIQUIDS - Category 3
Health Hazards: SENSITIZATION - SKIN - Category 1
 SKIN CORROSION/ IRRITATION - Category 2
 EYE DAMAGE/ IRRITATION - Category 1
 ASPIRATION TOXICITY - Category 1

Label Elements:

Signal word: Danger
Hazard Statement: H226 Flammable liquid and vapour.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H317 May cause an allergic skin reaction.
 H304 May be fatal if swallowed and enters airways.

Precautionary Statements:

Prevention: P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P243 Take action to prevent static discharges.
 P280 Wear protective gloves/ eye protection/ face protection.
 P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
 P264 Wash hands and affected area thoroughly after handling.
 P270 Do not eat, drink or smoke while using this product.
 P272 Contaminated work clothing should not be allowed out of the workplace.

Responses: P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P370 + P378 In case of fire: Use water fog, alcohol foam or dry chemical to extinguish.
 P321 Specific treatment (see supplemental first aid information on this label).
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
 P310 Immediately call a POISON CENTER/ doctor.
 P362 + P364 Take off contaminated clothing and wash it before reuse.

Storage: P403 + P235 Store in a well-ventilated place. Keep cool.
Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Approx. Wt.%	CAS Number
Alcohol Ethoxylate	10-30	68439-46-3
Potassium Hydroxide	1-5	1310-58-3
D'Limonene	7-13	5989-27-5
Dipropylene Glycol Monomethyl Ether	1-5	34590-94-8

SECTION 4 FIRST-AID MEASURES

Inhalation:	Immediately remove the affected victim to fresh air. If symptoms persist, obtain medical attention.
Skin Contact:	Immediately flush exposed area with soap and water for at least 10 minutes. If irritation persists, or if contact has been prolonged, obtain medical attention. Remove contaminated clothing and launder before reuse. D'Limonene is a known skin sensitizer.
Eye Contact:	Immediately flush with warm running water for at least 15 minutes, holding eyelids open during flushing. Remove contact lenses, if present and easy to do. If irritation persists, repeat flushing and obtain medical attention immediately.
Ingestion:	Do not induce vomiting. If the victim is fully conscious, give plenty of clean water to drink to dilute product. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness, or is convulsing. Call a Physician.

If irritation occurs or persists, get medical attention.

SECTION 5 FIRE-FIGHTING MEASURES

Extinguishing Media:	Water fog, alcohol foam, or dry chemical.
Flammability:	Flammable liquid and vapor.
Flash Point:	53°C (Pensky Martens Closed Cup)
Special Firefighting Procedures:	Wear NIOSH/MSHA approved, self-contained breathing apparatus for firefighting situation. Use water spray to cool all nearby fire exposed surfaces.
Unusual Fire / Explosion Hazards:	Avoid heat, flames and sparks. Avoid contact with Aldehydes, halogens, strong acids, strong oxidizing agents, alkalis, amines, ethylene oxide, halogenated hydrocarbons, isocyanates, do not use with aluminum equipment at temperatures above 50°C (120 °F)
Hazardous Decomposition Products:	Carbon dioxide, carbon monoxide. The smoke may contain unidentified toxic and/or irritating compounds.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Environmental Protection Precautions: Do not release to the environment or water source.

Steps To Be Taken In Case Material Is Released Or Spilled: Wear protective equipment. Soak up spills with absorbents, then dispose of in an appropriate waste container. Keep material away from sewers. Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.

SECTION 7 HANDLING AND STORAGE

Precautions To Be Taken In Handling And Storage: Use good industrial hygiene. Do not get in eyes. Avoid contact with skin and clothing. Avoid breathing sprays or mists. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with any other chemicals. Store at temperatures below 30°C (86°F) and keep from freezing.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

OSHA (PEL) : N/A

ACGIH TLV: N/A

Other exposure limit: N/A

Appropriate Engineering Controls: Good general ventilation.

Individual Protection Measures / Personal Protective Equipment:

Gloves: Non-permeable gloves (rubber, nitrile) recommended.

Masks/Goggles: Use chemical goggles or safety glasses when eye contact may occur.

Respirator: Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.

Apron: Not required for normal use of product.

Boots: Not required for normal use of product.

Other Protective Equipment: Eye wash, safety shower and full protective clothing recommended in the immediate work area.

SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance:	Clear orange liquid, slightly viscous.
Odor:	Orange, citrus scent.
Odor threshold:	N/A
pH:	11.0 - 12.0
Melting point/Freezing point:	N/A
Initial boiling point and boiling range:	N/A
Flash Point:	53 °C (Pensky Martens Closed Cup)
Evaporation Rate (Water=1):	N/A
Flammability:	Flammable liquid and vapour
Upper/Lower flammability or explosive limits:	None.
Vapor pressure:	N/A
Vapor density:	N/A
Relative density/Specific gravity (Water = 1):	1.01 @ 20 °C
Solubility(ies):	Soluble in water
Partition coefficient: n-octanol/water :	N/A
Auto-ignition temperature :	N/A
Decomposition temperature:	N/A
Viscosity:	N/A

SECTION 10	STABILITY AND REACTIVITY
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Chemical stability:	Stable under normal storage conditions.
Possibility of hazardous reactions:	This product is flammable.
Conditions to avoid:	Avoid heat, flames and sparks. Do not use with aluminum equipment at temperatures above 50°C (120 °F)
Incompatibility:	Avoid contact with Aldehydes, halogens, strong acids, strong oxidizing agents, alkalis, amines, ethylene oxide, halogenated hydrocarbons, isocyanates.
Hazardous Decomposition Products:	Oxides of carbon. The smoke may contain unidentified toxic and/or irritating compounds.

SECTION 11	TOXICOLOGICAL INFORMATION
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Likely routes of exposure:	Ingestion, skin and eye contact.
Symptoms:	May cause mild irritation to eyes and skin. D'limonene is a known skin sensitizer.
Acute Toxicity Estimates:	(oral) >2000 mg/kg, (dermal) >2000 mg/kg
Carcinogenicity:	Not listed by NTP, IARC, OSHA, ACGIH.

SECTION 12	ECOLOGICAL INFORMATION
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N/A

SECTION 13	DISPOSAL CONSIDERATIONS
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Recommended Waste Disposal Methods: Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.

SECTION 14	TRANSPORT INFORMATION
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Canadian TDG:	
UN Number:	1993
UN Proper Shipping Name :	FLAMMABLE LIQUID, N.O.S. (d'limonene)
Transport Hazard Class(es) :	3
Packing Group :	III

SECTION 15	REGULATORY INFORMATION
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HAZARD RATING INFORMATION

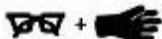
4=Extreme
 3=High
 2=Moderate
 1=Slight
 0=Insignificant

HMS

3	Health
2	Flammability
0	Reactivity
B	Personal

A=Gloves, B=Goggles & Gloves
 C=Goggles, Gloves and Apron

**HMS Protection
 Group B**



All pertinent hazard information has been provided in this SDS, per the requirements of the U.S. Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalent Standards, and the Canadian Workplace Hazardous Materials Identification System Standards (CPR 4).

SECTION 16	OTHER INFORMATION
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Acronym List:

ACGIH	American Conference of Governmental Industrial Hygienists
CFR	Code of Federal Regulations
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
MSHA	Mine Safety and Health Administration
N/A	Not available
NIOSH	The National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
TDG	Transportation of Dangerous Goods
TLV	Threshold Limit Value
UN	United Nations
WHMIS	Workplace Hazardous Materials Information System

It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. **Maxim Chemical International Inc.** will accept no liability for damages or loss incurred from the improper handling and use of this product.

The information provided in the Safety Data Sheet has been obtained from current sources and is believed to be reliable.

PREPARED BY: Technical Service/Regulatory Division

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